

Team "Integral" unveils its new robot that will be entered in the For Inspiration and Recognition for Science and Technology, or FIRST, national competition. Family members and the media attended the unveiling Sunday in Bldg. 9. JSC's Automation, Robotics and Simulation Division and the Manufacturing, Materials and Process Technology Division teamed up with high school students and teachers to build and test the robot in six weeks. →

S97-02762



# Brain Ease

## JSC employees, students complete robot in six weeks



↑ From left, students Pat Eisenbarth and Heather Bartsch along with JSC's Ken Jenks and student Janet Tcheung, work on the "Jaws of Death." The jaws are the robot's hands that will pick up automobile inner tubes during the competition.

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← From left, JSC Engineer Brad Grebinow and students Kyle Eldridge and Erin Gardner work on defensive weapons that will be used during the national robot competition. Strategies, both defensive and offensive, are a large part of the team's work to prepare for the competition in April. A team of 14 JSC employees helped 37 Clear Creek Independent School District high school students and teachers conceive, design, build and test the robot. This team will be one of 154 competing for more than 16 awards and scholarships during the three-day event to be held at Disney World's Epcot Center in Florida. The robot is scheduled to be shipped to Florida today for inspection by the FIRST judges.

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← The robot makes its debut in typical athletic fashion tearing through a banner held by cheerleaders from Clear Creek, Clear Lake and Clear Brook High Schools. The competition is designed with an athletic theme to generate interest in the contest.

S97-02761



↑ The robot could not have been completed on time if not for the help of the Manufacturing, Material and Process Technology Division's machinists in Bldg. 10. Standing from left are, Greg Gullett, Mike Kettler, Ken Boehn, Rick Pokorski, Marcelo Uriegas, Doug Balko and Roy Bellard. Kneeling from left are students Chrissy Sill and Jacob Smith. Not pictured, but important members of the team, are Ross Bentley and Lyle Gurnsey.

S97-02648

→ The employees of the plastics and model shop also put in long hours to help make the robot possible. From left are, JSC's Tom Loosmore, Brad Griebenow, John Schipper and Henry Kaupp, students Tim Broths, Vanessa Perez, Erin Gardner and Kyle Eldridge, JSC's Roger Megason and student Andrea Flores.



← The team built the competition arena to practice strategies of winning the national competition with the help of, from left, Clear Lake High School teacher Alice Zoener and JSC employees Todd Yao, Henry Kaupp and Roger Megason. While the most important aspect of the competition is teaching students about math and science, the team admits, it wants to win.

S97-02649



← From left, JSC's Larry Huff and students Chris Winton and Brian Ulczycki drill part of a transporter frame that was used on the robot built by employees and students at the center. Team members agree without the support of the machinists and model employees, the robot could not have been built.

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